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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/623,659	07/22/2003	Yuegang Zhang	Q76092	4751
23373	7590 08/30/2006		EXAM	INER
SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			SUCH, MATTHEW W	
			ART UNIT	PAPER NUMBÉR
			2891	
			DATE MAILED: 08/30/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

EX

	Application No.	Applicant(s)			
Office Action Commons	10/623,659	ZHANG ET AL.			
Office Action Summary	Examiner	Art Unit			
	Matthew W. Such	2891			
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet with t	he correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
1) Responsive to communication(s) filed on 27	Julv 2006.				
·— · · — ·	nis action is non-final.				
,—	·—				
·— · · ·	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
Disposition of Claims					
4)⊠ Claim(s) <u>1-5</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6) Claim(s) is/are anowed.					
7) Claim(s) is/are objected to.					
7) □ Claim(s)is/are objected to: 8) ☑ Claim(s) <u>1-5</u> are subject to restriction and/or election requirement.					
,— · · · <u>—</u> · · · — ·					
Application Papers					
9)☐ The specification is objected to by the Examiner.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> </ul>					
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s) .					
1) Notice of References Cited (PTO-892)	4) Interview Summ				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)		ail Date nal Patent Application (PTO-152)			
<ol> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date</li> </ol>	6) Other:	don't pproduct (1 10 104)			

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## DETAILED ACTION

## Election/Restrictions

- 1. Applicant's election without traverse of claims 1-2 and 4 in the reply filed on 27 July 2006 is acknowledged. However, the newly assigned examiner notes that the previous restriction mailed 27 June 2006 was improper and is therefore being withdrawn and replaced.
- 2. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claims 1 and 4, drawn to drawn to a method for inducing an electric current in a filament, classified in class 438, subclass 57+.
  - II. Claims 2-3 and 5, drawn to a method for deforming a filament, classified in class427, subclass 74+.

The inventions are distinct, each from the other because of the following reasons:

3. Inventions II and I are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct if they do not overlap in scope and are not obvious variants, and if it is shown that at least one subcombination is separately usable. In the instant case, subcombination of Invention I has separate utility such as a method of photodetection which does not require deformation upon irradiation of an electromagnetic wave. Further, Invention II also has separate utility such as a method of photodetection which responds to an electromagnetic wave by deformation without generating electrical current. See MPEP § 806.05(d).

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- 4. Because these inventions are independent or distinct for the reasons given above and have acquired a separate status in the art in view of their different classification and the inventions require a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.
- 5. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

6. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the

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application. Any amendment of inventorship must be accompanied by a request under 37 CFR

1.48(b) and by the fee required under 37 CFR 1.17(i).

**Contact Information** 

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Matthew W. Such whose telephone number is 571-272-8895.

The examiner can normally be reached on Monday - Friday 8AM-5PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Bradley W. Baumeister can be reached on 571-272-1722. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Matthew W. Such

Examiner

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MWS 8/23/06

B. WILLIAM BAUMEISTER SUPERVISORY PATENT EXAMINER